ELSEVIER

Colloids and Surfaces
A: Physicochemical and Engineering Aspects 178 (2001) 345–346

COLLOIDS AND SURFACES A

www.elsevier.nl/locate/colsurfa

Contents of Volume 177

Vol. 178 Nos. 1–3

Review

Adsorption and surface tension of ionic surfactants at the air–water interface: review and evaluation of equilibrium models
A.J. Prosser and E.I. Franses (West Lafayette, IN, USA) 1

Phase behaviour of polymer emulsions during the phase inversion process in the presence of non-ionic surfactants
M. Zerfa (Leicestershire, UK), S. Sajjadi (Tehran, Iran) and B.W. Brooks (Leicestershire, UK) 41

Compression and expansion of surfactant adsorption layers at the liquid/air interface studied by a glass funnel method
O. Senkel, R. Miller and V.B. Fainerman (Golm, Germany) 49

Effect of additives on the micellization of PEO/PPO/PEO block copolymer F127 in aqueous solution
P.R. Desai, N.J. Jain, R.K. Sharma and P. Bahadur (Surat, India) 57

Evolution of resistance to permeation during micellar enhanced ultrafiltration of phenol and 4-nitrophenol
F.I. Talens-Alesson (Barcelona, Spain), R. Urbaski and J. Szymanowski (Pozna, Poland) 71

A thermodynamic approach to ion flotation. I. Kinetics of cupric ion flotation with alkylsulfates
Z. Liu and F.M. Doyle (Berkeley, CA, USA) 79

A thermodynamic approach to ion flotation. II. Metal ion selectivity in the SDS–Cu–Ca and SDS–Cu–Pb systems
Z. Liu and F.M. Doyle (Berkeley, CA, USA) 93

Characteristic properties of metal–semiconductor phase transitions of vanadium dioxide in a polyethylene glycol medium containing tetraethylammonium bromide
V.V. Turov, P.P. Gorbik, V.M. Ogenko, O.V. Shulga and A.A. Chuiko (Kiev, Ukraine) 105

Effect of the carbonaceous matter deposition on the textural and surface properties of complex carbon-mineral adsorbents prepared on the basis of palygorskite
R. Leboda, S. Chodorowski, J. Skubiszewska-Zięba (Lublin, Poland) and Y.I. Tarasevich (Kiev, Ukraine) 113

Influence of non-ionic surfactants on surface activity of pesticide colloidal systems
A. Piscureanu, T. Pop (Bucharest, Romania), M. Dogaru (Ramnicu Valcea, Romania), M. Piscureanu and D. Manaila-Maximean (Bucharest, Romania) 129

Adsorption of $FeCl_3$, $CuCl_2$ and $ZnCl_2$ on silsesquioxane 3-n-propylpyridiniumchloride polymer film adsorbed on Al_2O_3 coated silica gel
S.T. Fujiwara, Y. Gushikem and R.V.S. Alfaya (Campinas, Brazil) 135

Monolayers of novel amphiphile with schiff base moiety as headgroup and its complex of copper(II)
S. Pang, C. Li, J. Huang and Y. Liang (Nanjing, PR China) 143

Synthesis of titania-coated silica nanoparticles using ono-ionic water-in-oil
X.-a. Fu and S. Qutubuddin (Cleveland, OH, USA) 151

A SERS spectroelectrochemical investigation of the interaction of isopropyl, isobutyl and isoamyl xanthates with silver
G.A. Hope, K. Watling and R. Woods (Nathan Campus, Australia) 157

Micellar and salt effects on the rate of the condensation between ninhydrin and $[Cr(his)(H_2O)_3]^{2+}$
Kabir-ud-Din, M. Akram, M.Z.A. Rafiquee (Aligarh, India) and Z. Khan (New Delhi, India) 167

Monolayer aggregation of a series of atypical amphiphilic β-diketone rare earth complexes at air/liquid interface
R.-J. Zhang and K.-Z. Yang (Jinan, People's Republic of China) 177

Dispersion of alumina-coated TiO_2 particles by adsorption of sodium polyacrylate
J.-P. Boisvert, J. Persello (Besançon, France), J.-C. Castaing (Aubervilliers, France) and B. Cabane (Gif sur Yvette, France) 187

Micellization parameters and electrostatic interactions in micellar solution of sodium dodecyl sulfate (SDS) at different temperatures
S.S. Shah, N.U. Jamroz and Q.M. Sharif (Islamabad, Pakistan) 199

Surface properties of diluted aqueous solutions of 3-picoline
J. Gliński (Wroclaw, Poland), G. Chavepeyer and J.K. Platten (Mons, Belgium) 207

Friction between cellulose surfaces measured with colloidal probe microscopy
S. Zauscher and D.J. Klingenberg (Madison, WI, USA) 213

Gravity-induced flocculation of non-Brownian particles
Y.-I. Chang and M.-H. Ku (Taichung, Taiwan, ROC) 231

A criterion for buoyancy induced drop detachment based on an analytical approximation of the drop shape
J. Chatterjee (Mumbai, India) 249

A creaming study of weakly flocculated and depletion flocculated oil-in-water emulsions
M. Shields (Adelaide, SA, Australia), R. Ellis (Victoria, Australia) and B.R. Saunders (Adelaide, SA, Australia). . . . 265
Effects of CeO_2-doping on surface and catalytic properties of CuO/Al_2O_3 solids
N.R.E. Radwan (Suez, Egypt), G.A. Fagal and G.A. El-Shobaky (Cairo, Egypt) 277
Surface and catalytic properties of Fe_2O_3–Cr_2O_3/Al_2O_3 solids as being influenced by Li_2O and K_2O-doping
G.A. Fagal, G.A. El-Shobaky and S.M. El-Khouly (Cairo, Egypt) 287
Poly(ethoxy) anionic surfactants: micellization and adsorption at the solid/liquid interface
L. Luciani, R. Denoyel and J. Rouquerol (Marseille, France) 297
Characterization of reverse micelles by dynamic light scattering
H.B. Bohidar (Indianapolis, USA) and M. Behboudnia (New Delhi, India) 313
Adsorption study of amino acids on a polycrystalline gold electrode
R. Słojkowska and M. Jurkiewicz-Herbich (Warsaw, Poland) 325

Book review 337
Calendar 339
Author Index. 341
Subject Index. 343
Volume Contents 345